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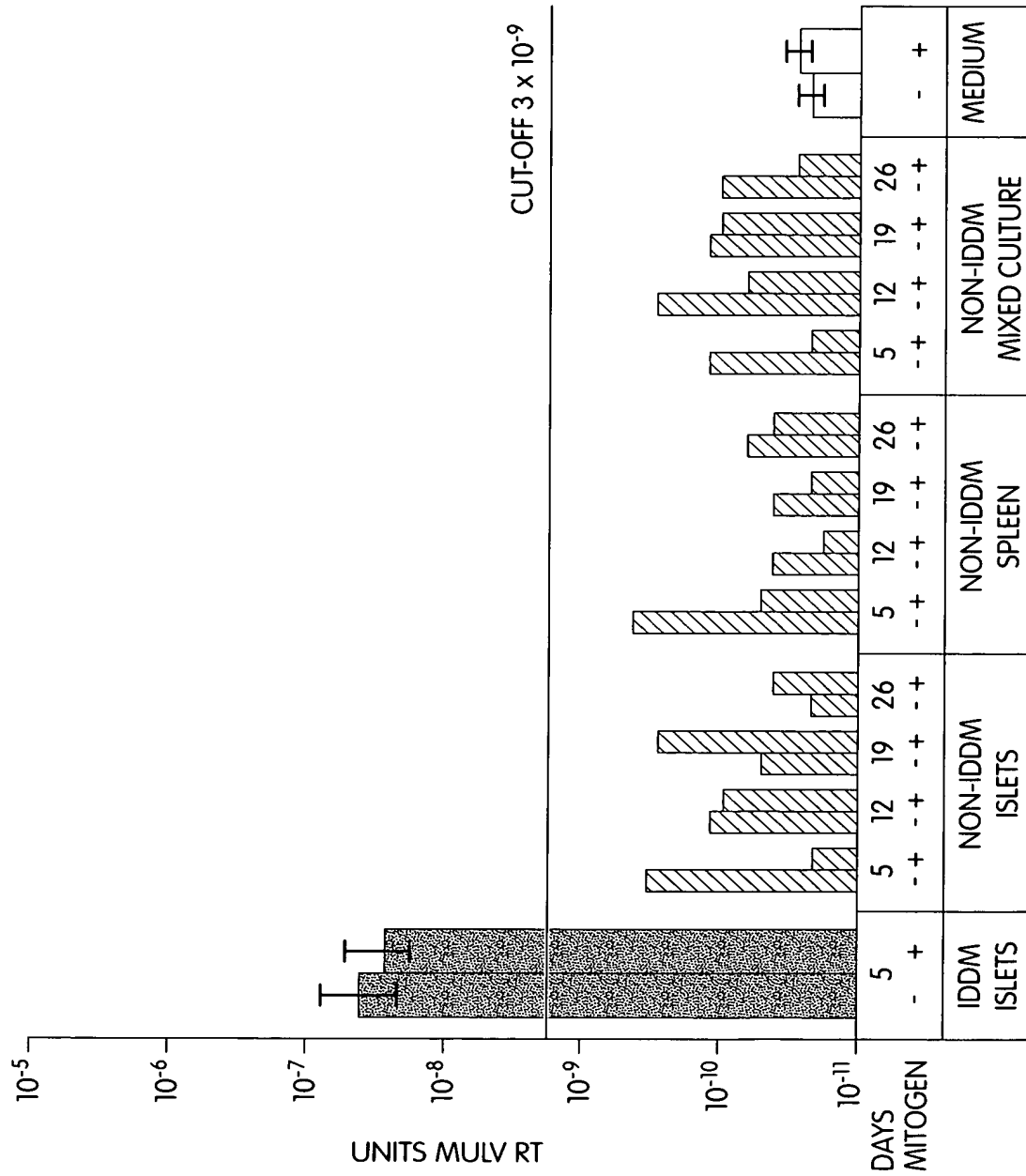


Fig. 1A



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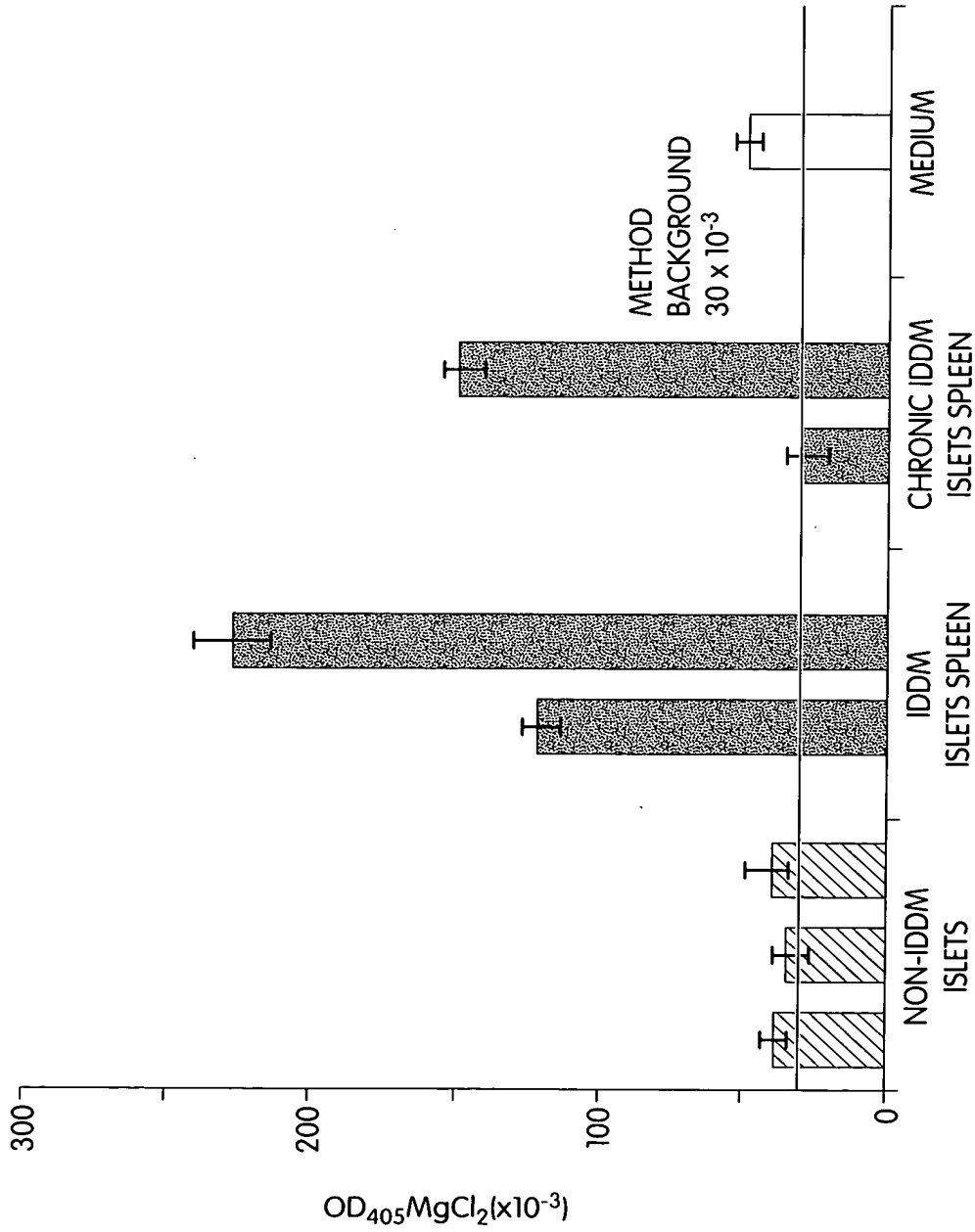


Fig. 1B

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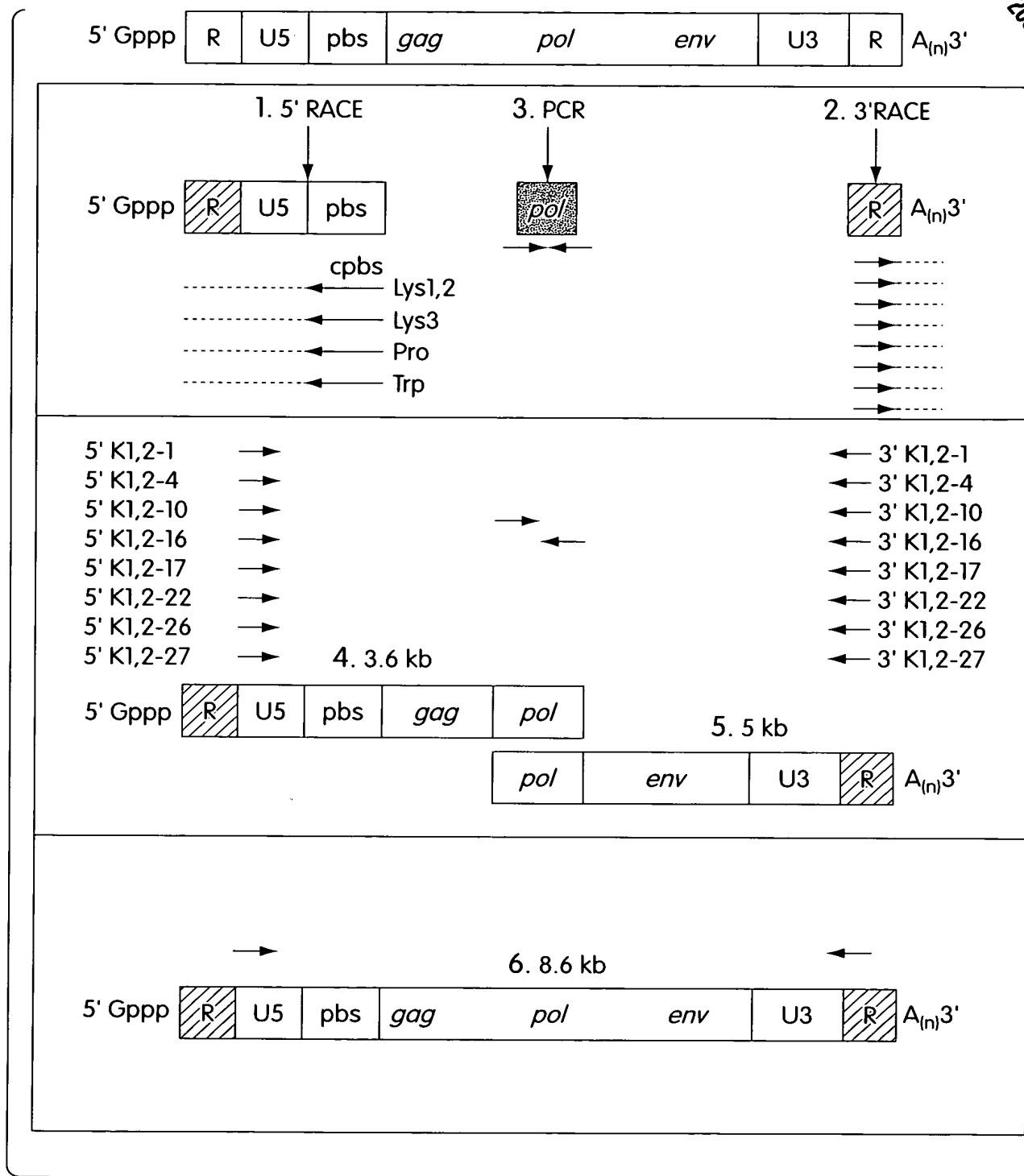


Fig. 2A

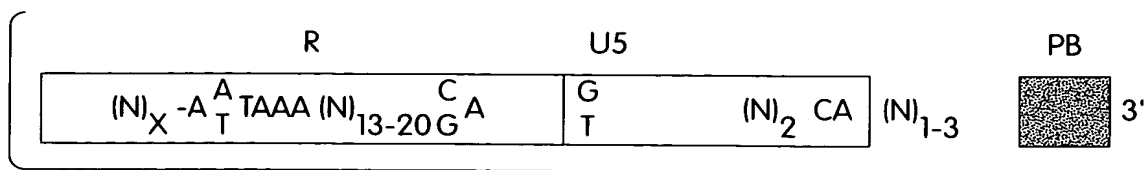


Fig. 2B

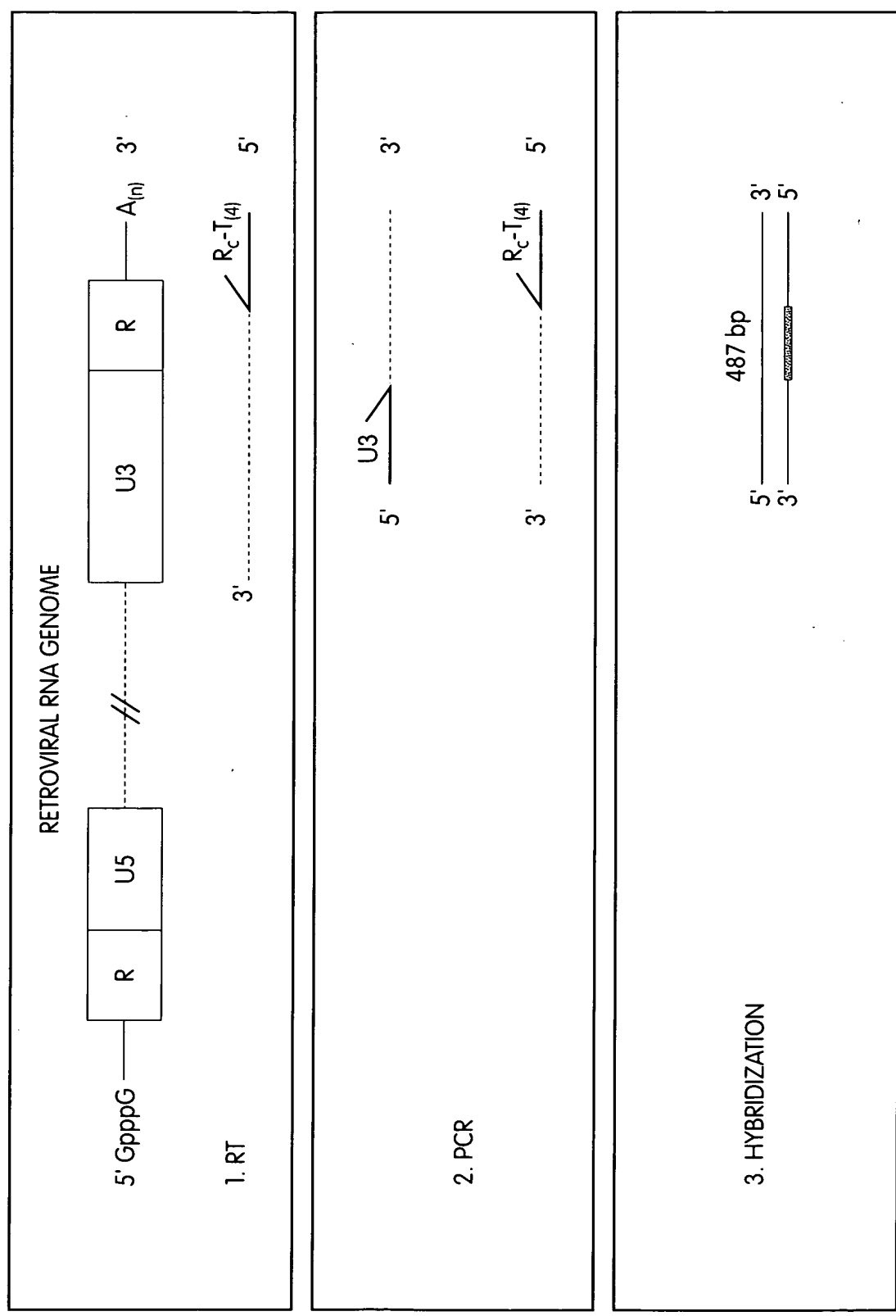
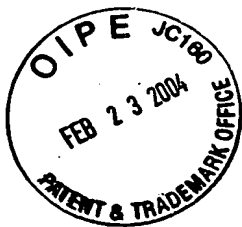


Fig. 2C



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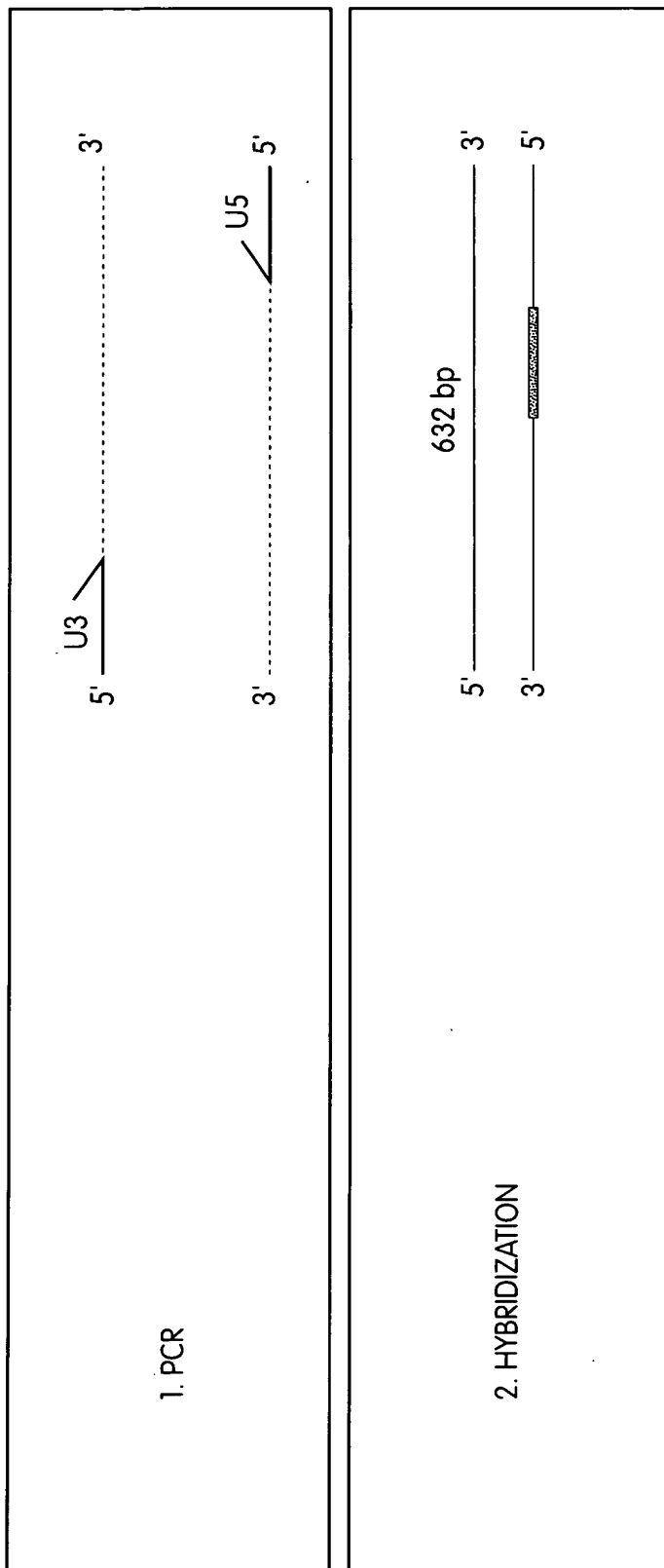
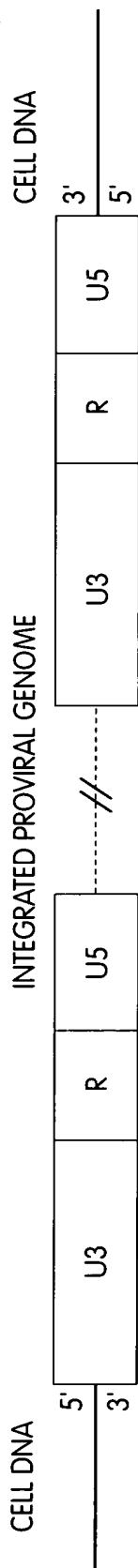


Fig. 2D

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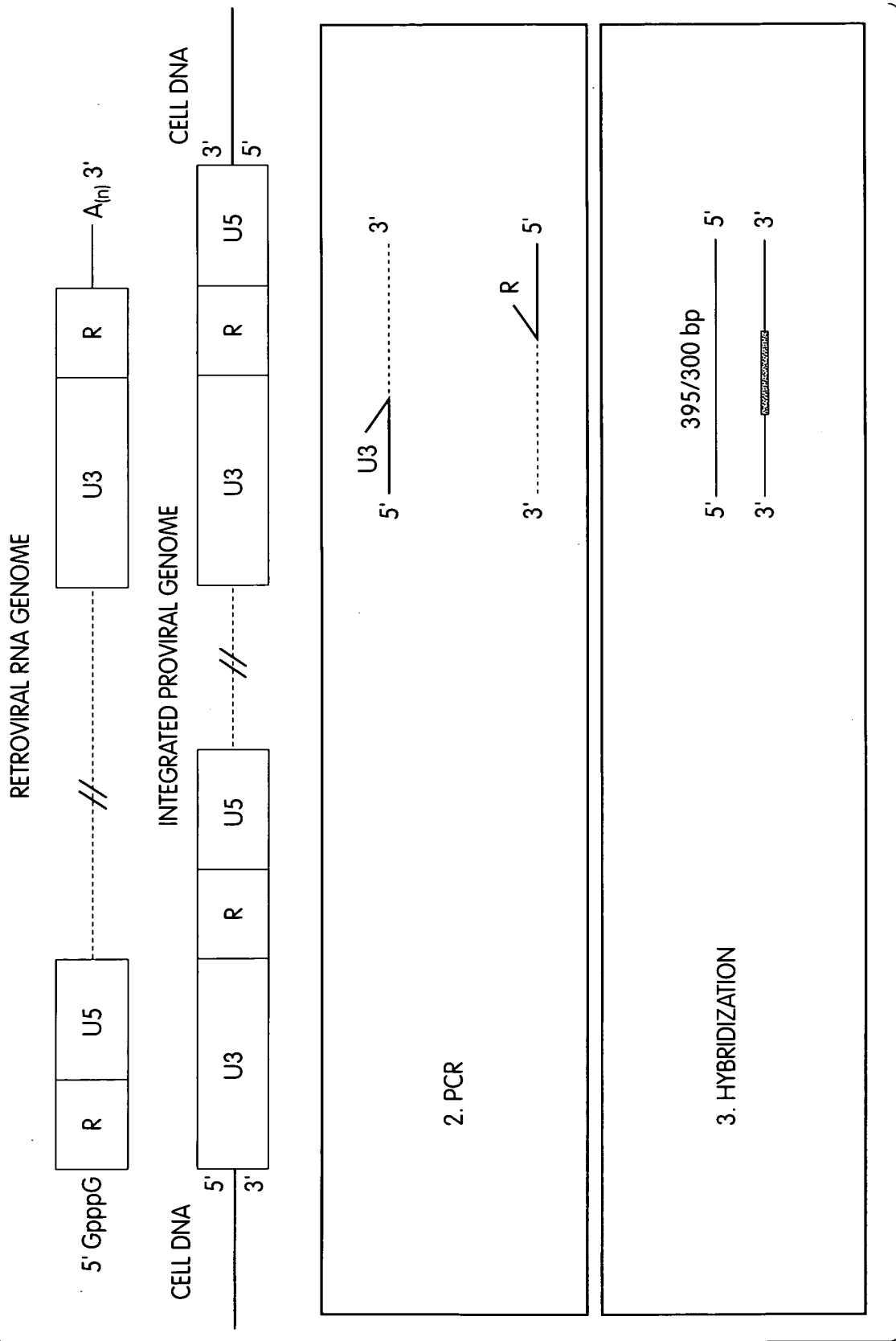


Fig. 2E



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TEMPLATE	SPECIFICITY	IDDM PATIENTS (n=10)	CONTROLS (n=10)
RNA	RT+ U3-R		
	RT+ U3-R-POLY(A)		
	RT- U3-R		
	RT- U3-R-POLY(A)		
DNA	U3-R		

Fig. 2F



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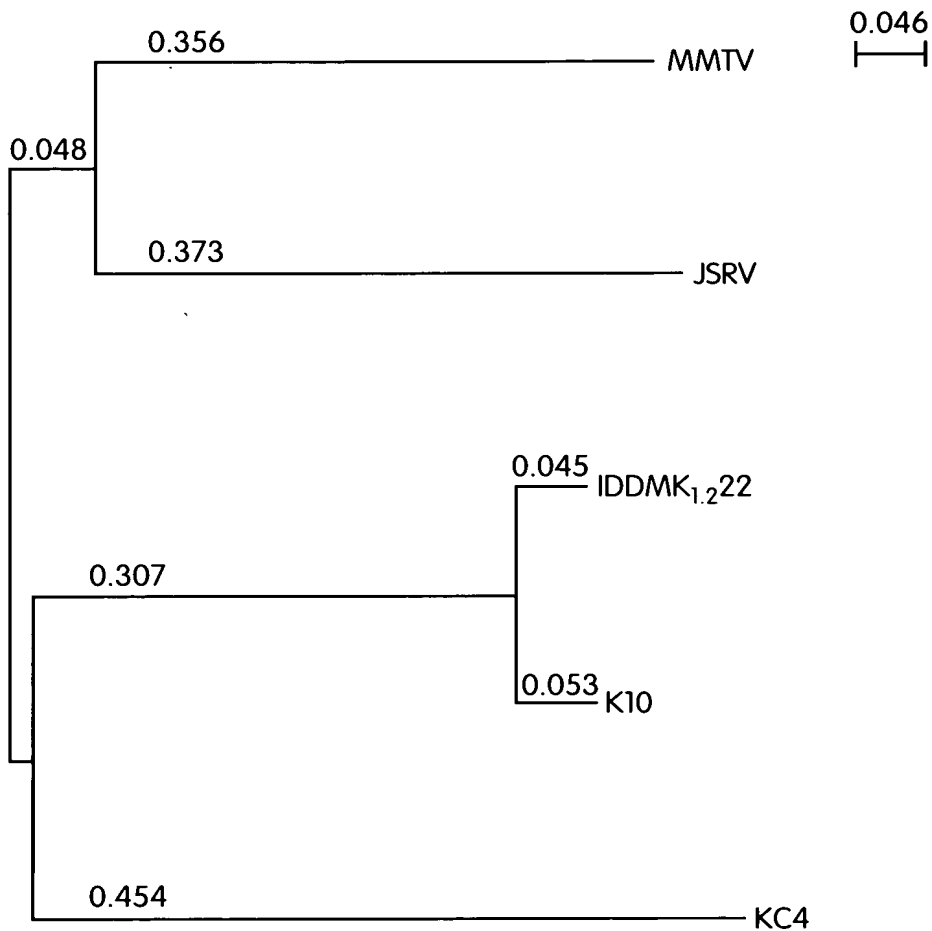


Fig. 3A



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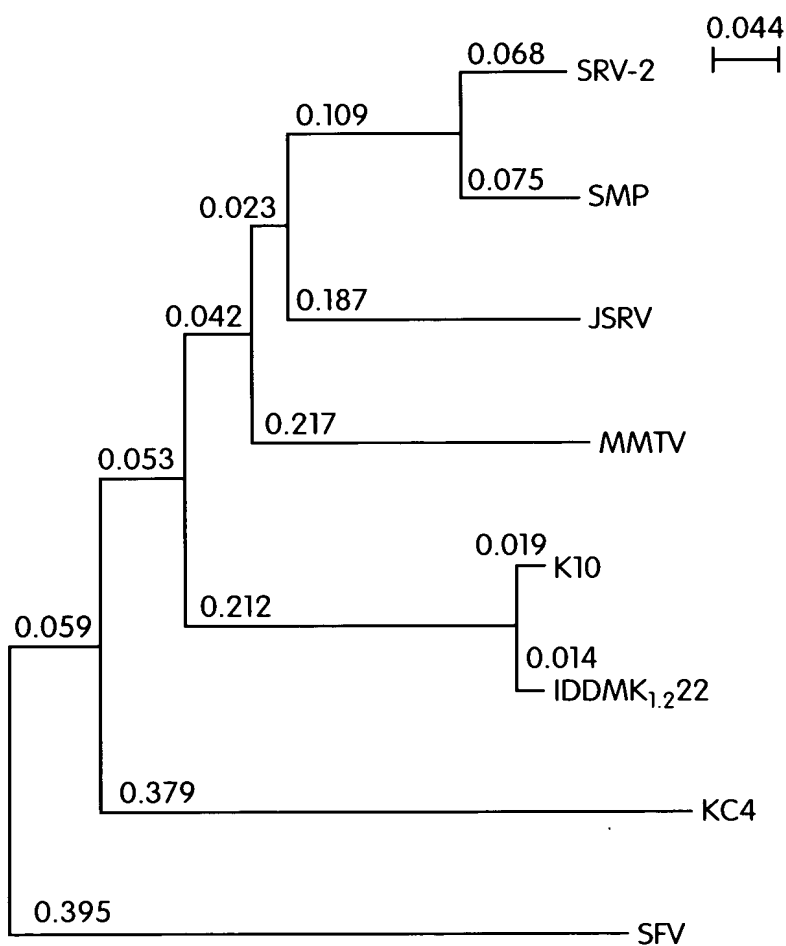
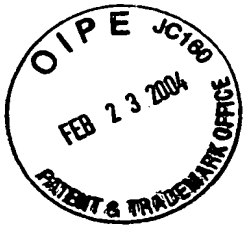


Fig. 3B



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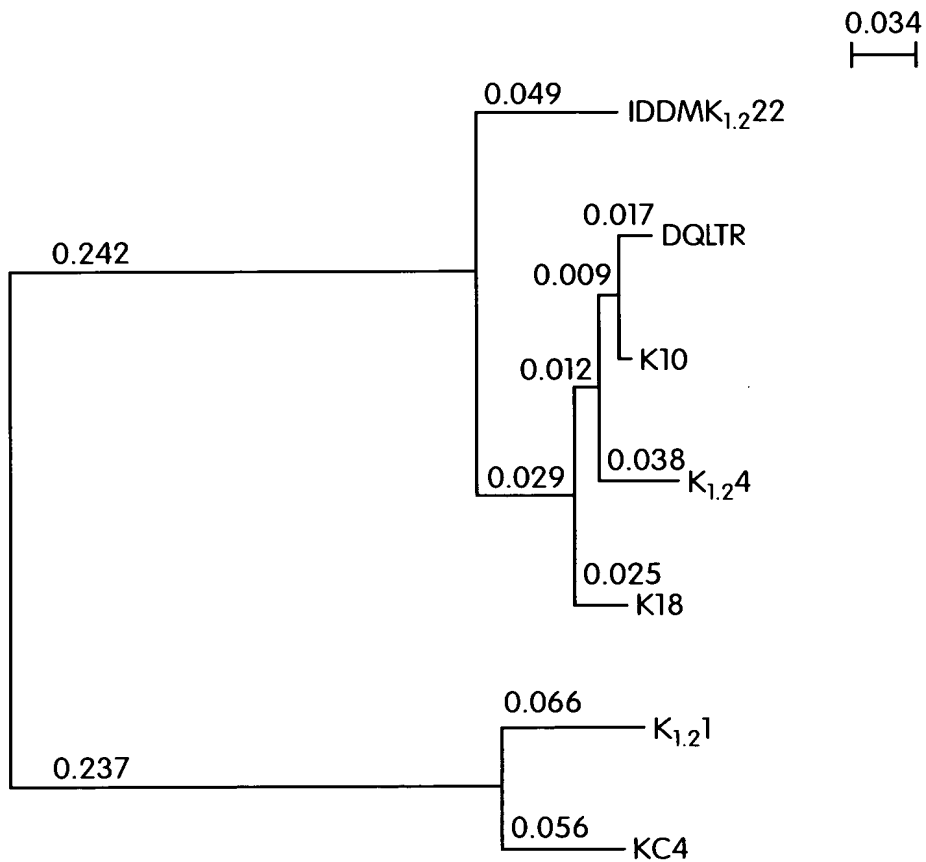


Fig. 3C

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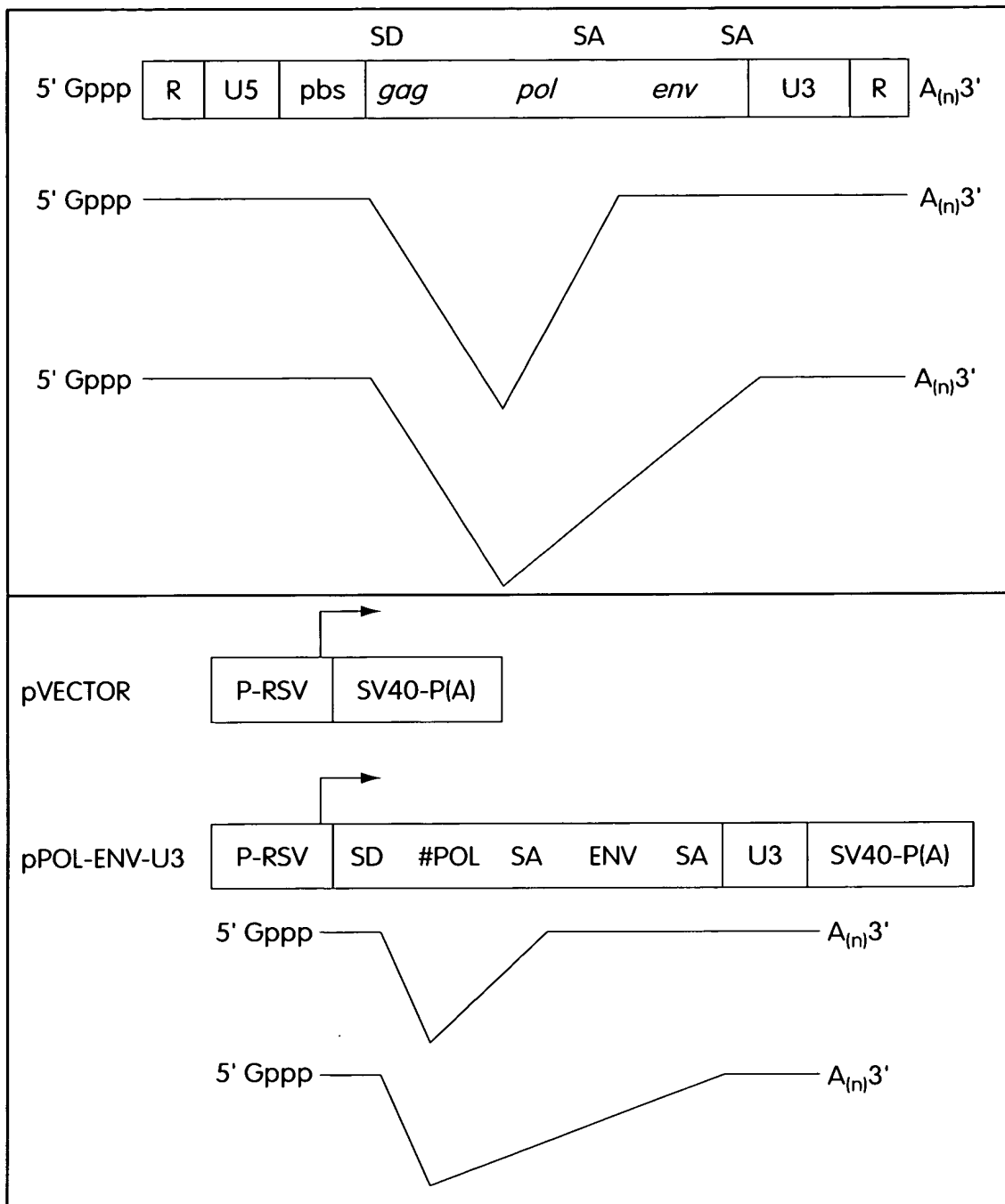
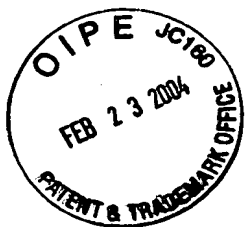


Fig. 4A



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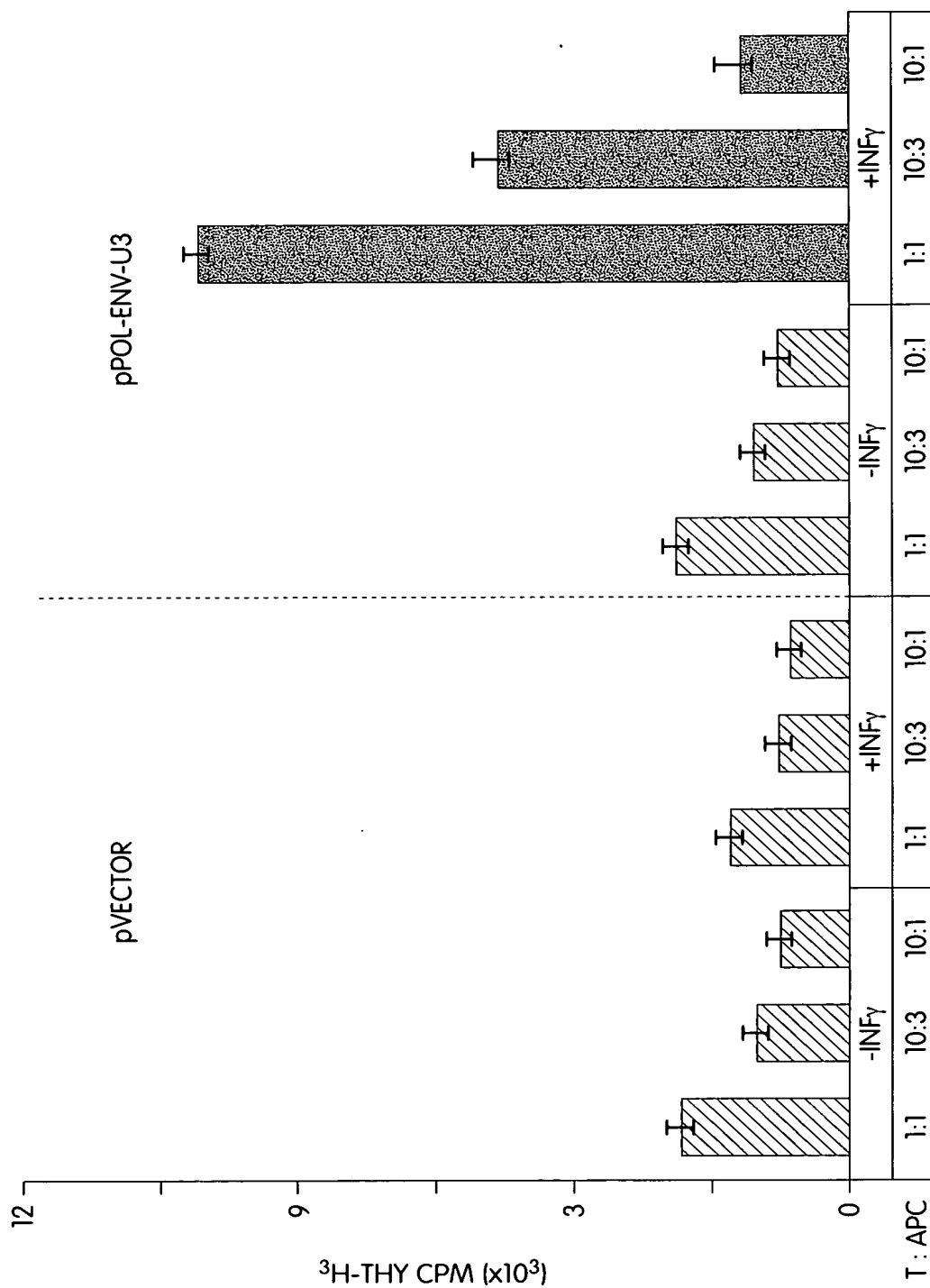
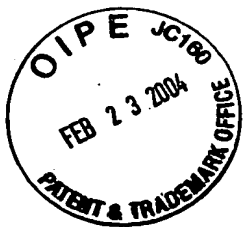


Fig. 4B



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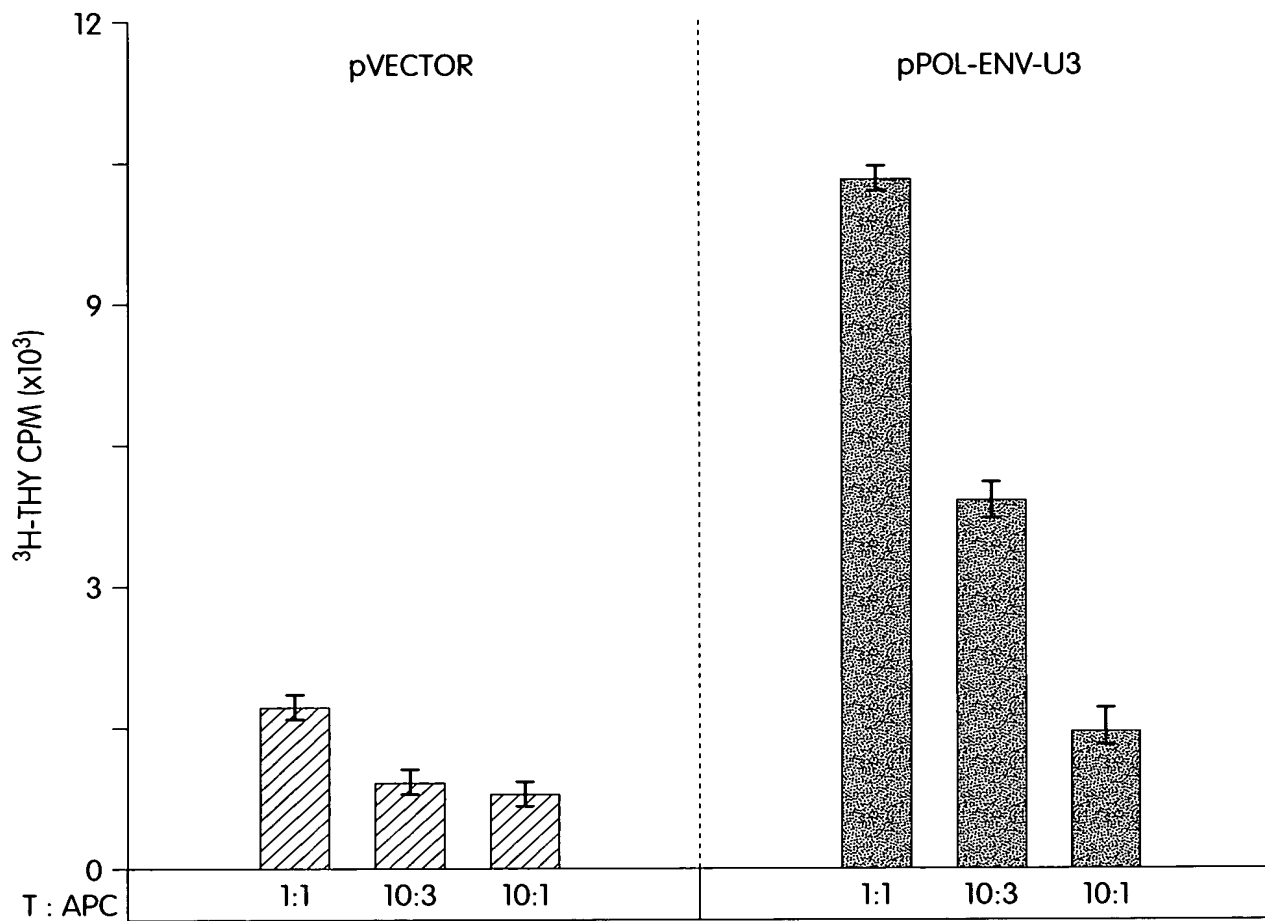
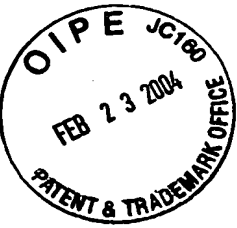


Fig. 4C



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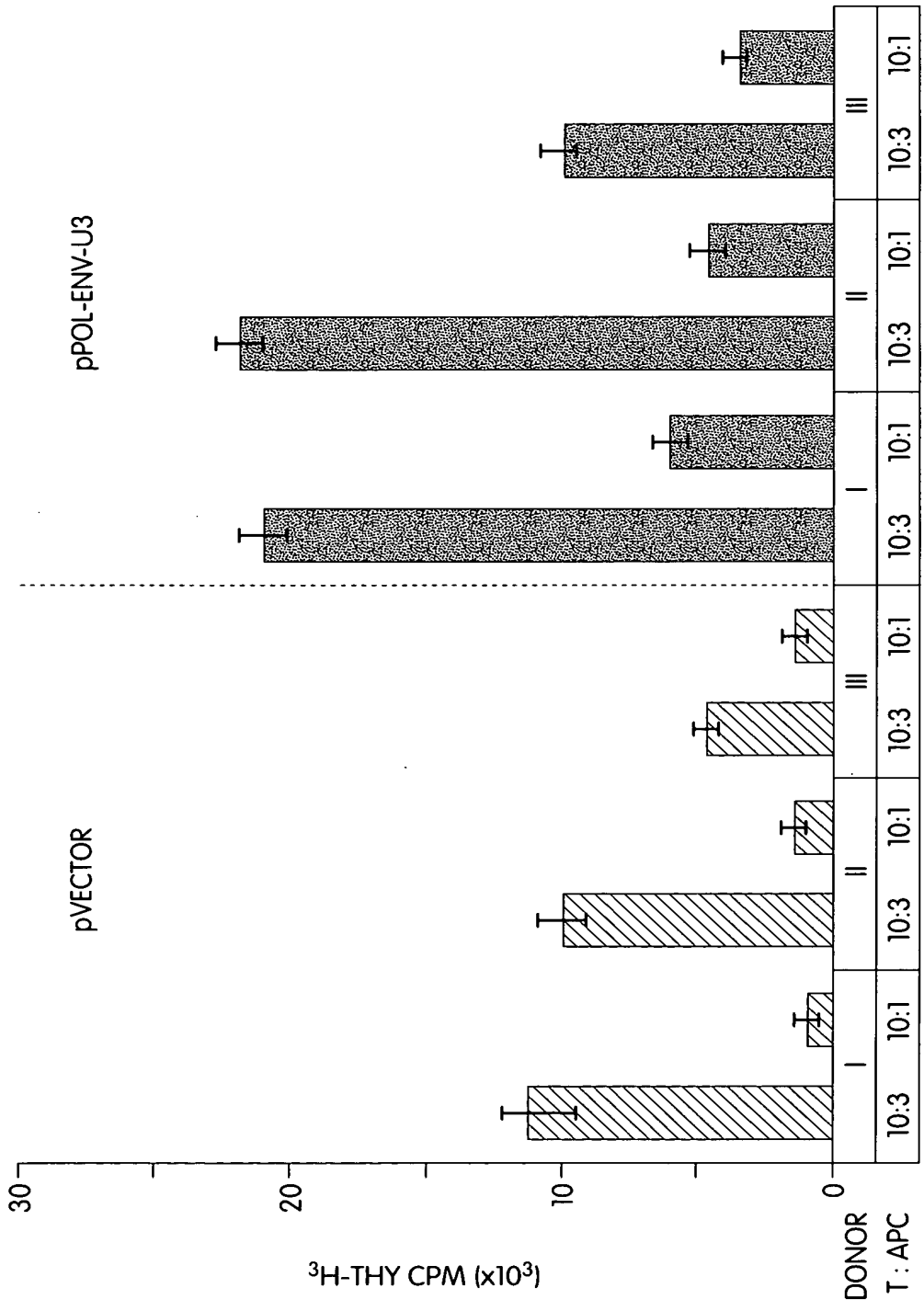


Fig. 4D

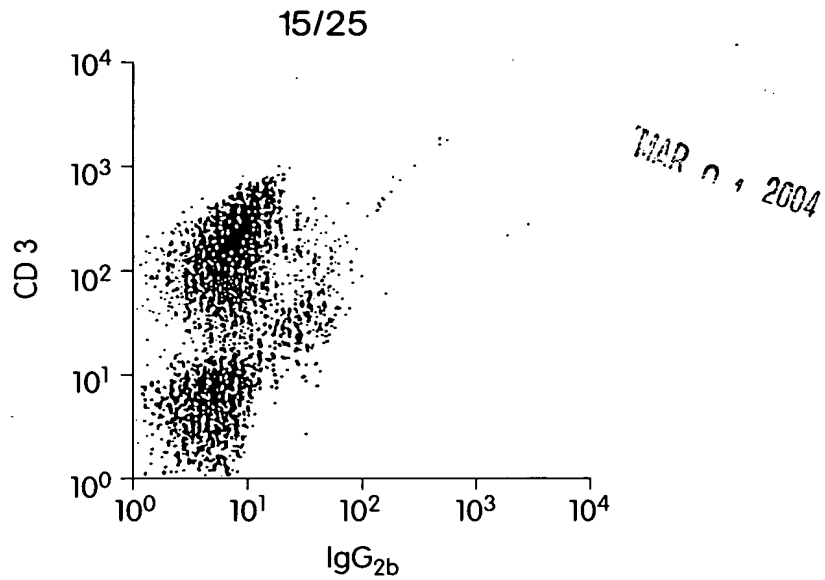


Fig. 5A

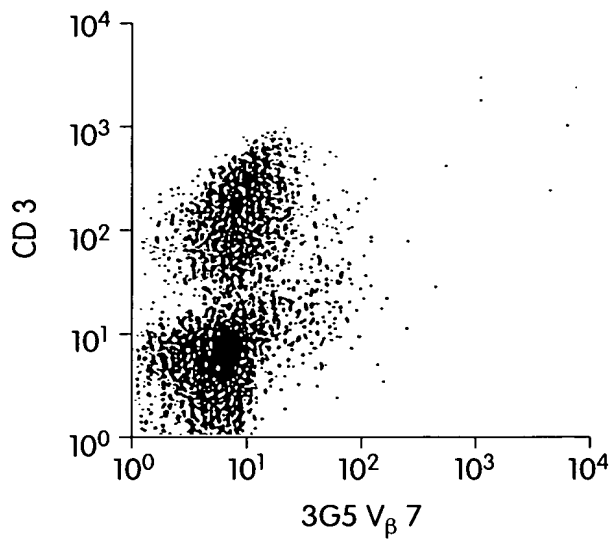


Fig. 5B

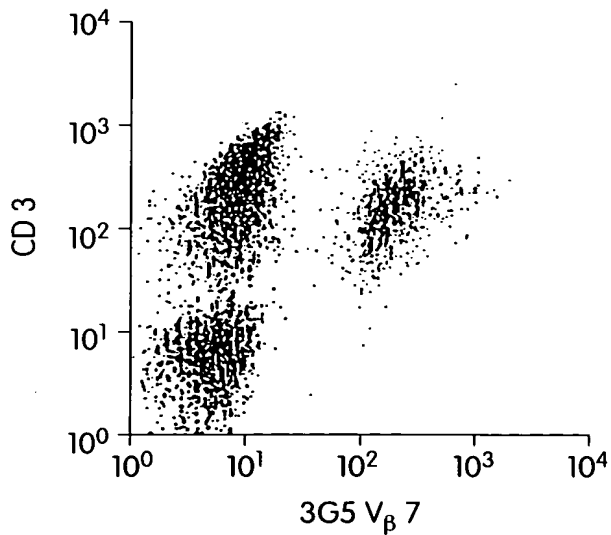


Fig. 5C



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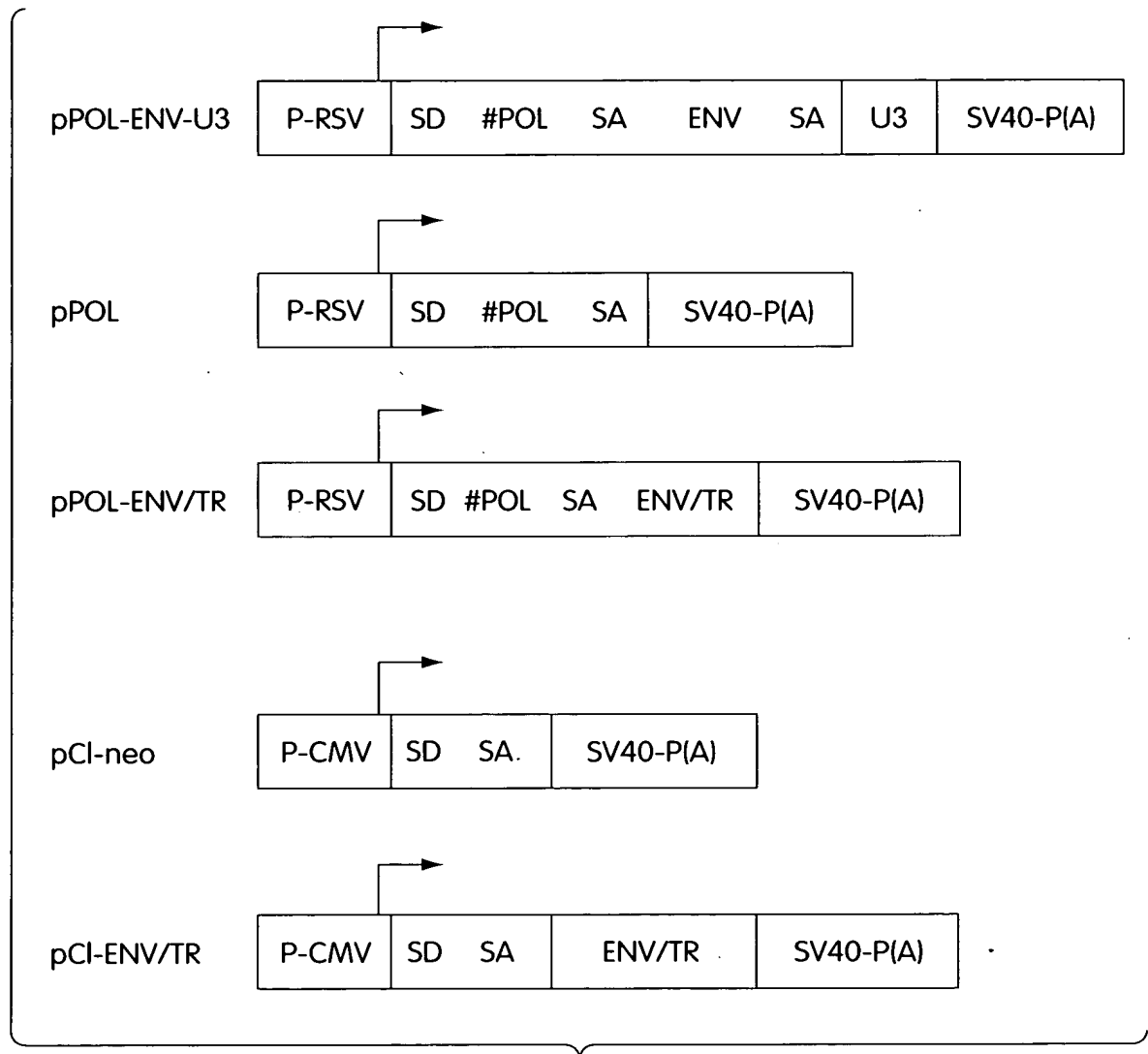
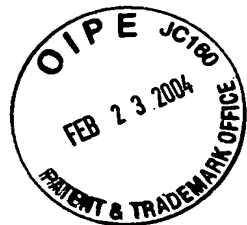


Fig. 6A



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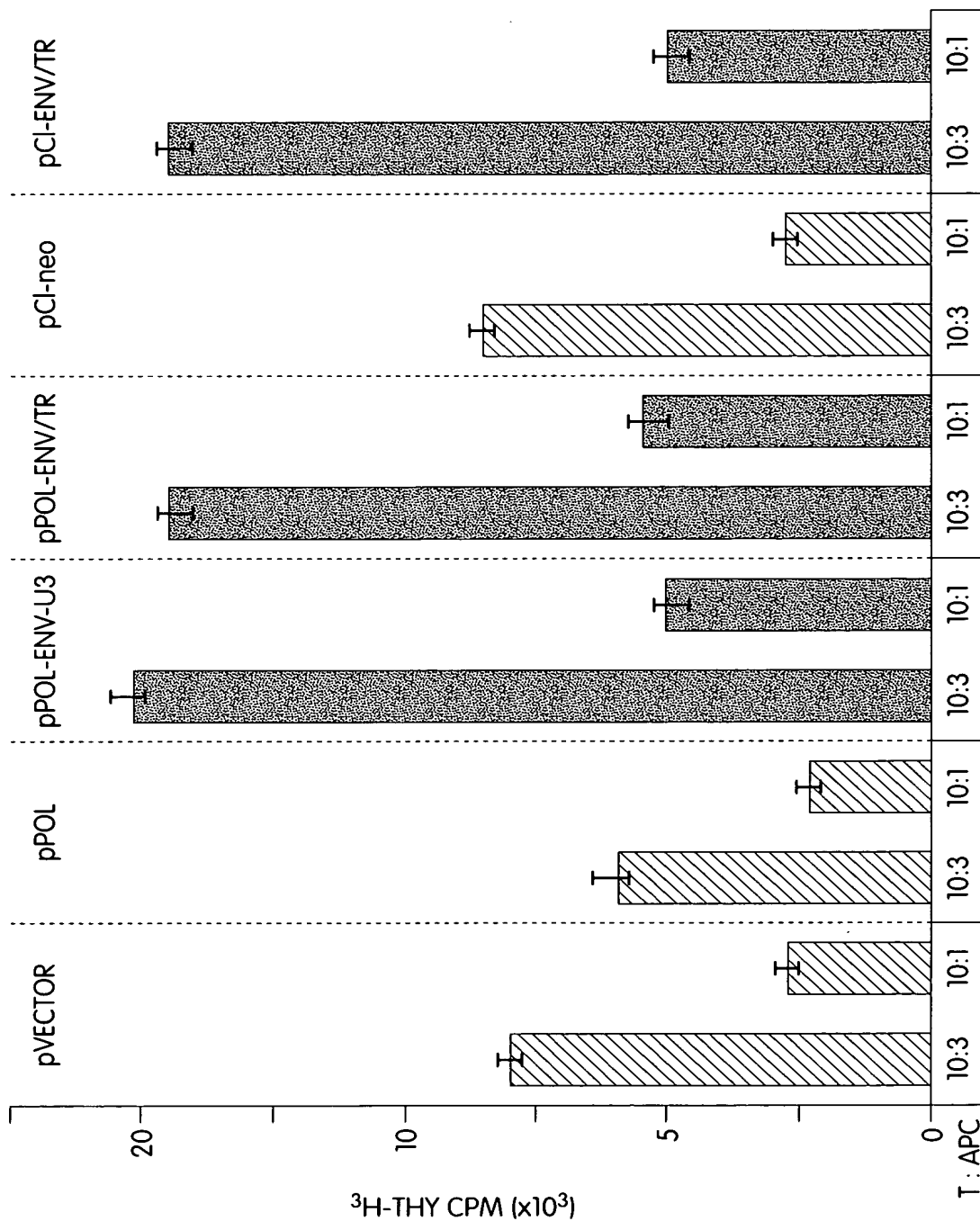


Fig. 6B



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iddmk1,2 22-5'ltr

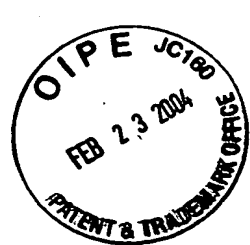
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CTCTGTGTCTTTTTCTTTTCCAAGTCTTCTTCATTTGCACCTTACGAGAAACATCTCCATCAT
GGTTGTTGGATGGGGGCAA

Fig. 7A

iddmk1,2 22-3'ltr

CTGCAGGTGTACCCAACAGCTCCGAAGAGACAGTGACATCGAGAACGGGCCATGATGACGATG
GCGGTTTTGTGCGAAAAGAAAAGGGGGAAATGTGGGGAAAAGCAAGAGAGATGAGATTGTTACT
GTGTCTGTATAGAAAGAAGTAGACATAGGAGACTCCATTTTGTCTGTACTAAGAAAAATTCT
TCTGCCTTGAGATGCTGTTAATCTATGACCTTACCCCCAACCCCGTGCTCTCTGAAACATGTG
CCGTGTCAAACTCAGGGTTAAATGGATTAAGGGTGGTGCAAGATGTGCTTTGTTAAACAGATG
CTTGAAGGCAGCATGCTCATTAAAGAGTCATCACCCTCCCTAATCTCAAGTACCCAGGGACAC
AAACACTGCGAAAGGCCGAGGGACCTCTGCCTAGGAAAGCCAGGTATTGTCCAAGGTTTCTC
CCCATGTGATAGTCTGAAATATGGCCTCGTGGAAGGGAAAGACCTGACCATCCCCCAGACCA
ACACCCGTAAAGGGTCTGTGCTGAGGAGGATTAGTATAAGAGGAAAGCATGCCTCTTGCAAGTT
GAGAGAAGAGGAAGACATCTGTCTCCTGCCCATCCCCTGGGCAATGGAATGTCTCAGTATAAA
ACCCGATTGAACATTCCATCTACTGAGATAGGGAAAACTGCCTTAGGGCTGGAGGTGGGACA
TGTGGGCAGCAATACTGCTTTGTAAAGCATTGAGATGTTTATGTGTATGTATATCTAAAAGCA
CAGCACTTGATCCTTTACCTTGTCTATGATGCAAACACCTTTGTTACAGTGTTTGTCTGCTGA
CCCTCTCCCCACTATTGTCTTGTGACCCTGACACATCTCCCTCAGGAGAAACACCCAcgaatg
atcaataaataactaaggggactcagaggctgggtgggatcctccatatgctgaacggttggttcc
cggggcccccttatttctttctctatactttgtctctgtgtctttttctttttccaagtcttct
tcatttgcaccttacgagaaacatctccatcatggttggttgatgggggcaa

Fig. 7B



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iddmk1,2 22-env

ATGGTAACACCAGTCACATGGATGGATAATCCTATAGAAGTATATGTTAATGATAGTGTATGG
GTACCTGGCCCCACAGATGATCGCTGCCCTGCCAAACCTGAGGAAGAAGGGATGATGATAAAT
ATTTCCATTGGGTATCATTATCCTCCTATTTGCCCTAGGGAGAGCACCAGGATGTTTAATGCCT
GCAGTCCAAAATTGGTTGGTAGAAGTACCTACTGTCAGTCCTAACAGTAGATTCACTTATCAC
ATGGTAAGCGGGATGTCACCTCAGGCCACGGGTAAATTATTTACAAGACTTTTCTTATCAAAGA
TCATTAAAATTTAGACCTAAAGGGAAAACCTGCCCAAGGAAATTCCTAAAGGATCAAAGAAT
ACAGAAGTTTTAGTTTGGGAAGAATGTGTGGCCAATAGTGTGGTGATATTACAAAACAATGAA
TTCGGAACATTATAGATTAGGCACCTCGAGGTCAATTCTACCACAATTGCTCAGGACAACT
CAGTCGTGTCCAAGTGCACAAGTGAGTCCAGCTGTTCGATAGCGACTTAACAGAAAGTCTAGAC
AAACATAAGCATAAAAAATTACAGTCTTTCTACCTTTGGGAATGGGAAGAAAAAGGAATCTCT
ACCCCAAGACCAAAAATAATAAGTCCTGTTTCTGGTCTGAACATCCAGAATTGTGGAGGCTT
ACTGTGGCCTCACACCACATTAGAATTTGGTCTGGAAATCAAACCTTTAGAAACAAGATATCGT
AAGCCATTTTATACTATCGACCTAAATTCCATTCTAACGGTTCCTTTACAAAGTTGCCTAAAG
CCCCCTTATATGCTAGTTGTAGGAAATATAGTTATTAAACCAGCCTCCCAAACCTATAACCTGT
GAAAATTGTAGATTGTTTACTTGCATTGATTCAACTTTTAATTGGCAGCACCGTATTCTGCTG
GTGAGAGCAAGAGAAGGCATGTGGATCCCTGTGTCCACGGACCGACCGTGGGAGGCCCTCGCCA
TCCATCCATATTTTGAATGAAATATTAAGGCGTTTTAAATAGATCCAAAAGATTCAATTTTT
ACTTTAATTGCAGTGATTATGGGATTAATTGCAGTCACAGCTACGGCTGCTGTGGCAGGGGTT
GCATTGCACTCTTCTGTTCACTCAGTAAACTTTGTTAATTATTGGCAAAAGAATTCTACAAGA
TTGTGGAATTCACAATCTAGTATTGATCAAAAATTGGCAAGTCAAATTAATGATCTTAGACAA
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GTTAGACGCCATCTACAGGGAAGAGAAGATAATCTCACTTTAGACATTTCCAAATTAAGAA
CAAATTTTCGAAGCATCAAAGGCCATTTAAATTTGGTGCCAGGAAGTGGCAATTGCAGGA
GTTGCTGATGGCCTCGCAAATCTTAACCCTGTCACTTGGATTAAAGACCATCAGAAGTACTATG
ATTATAAATCTCATATTAATCGTTGTGTGCTGTTTTGTCTGTTGTTAGTCTGCAGGTGTACC
CCAACAGCTCCGAAAAAACAGTGACATCGAGAACGGGCCATGAATGACAAAGGCGTTTTTG
TTCCAAAAAAAAGGGGAAATTTTGGGGAAAACCAAAAAAATGAAAATGTT

Fig. 7C



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ACA TTT GAA GTT CTA CAA TGA ACC CAT CAG AGA TGC AAA GAA AAG CGC CTC CAC GGA 57

GAT GGT AAC ACC AGT CAC ATG GAT GGA TAA TCC TAT AGA AGT ATA TGT TAA TGA TAG 114
M V T P V T W M D N P I E V Y V **N D S** 19

TGT ATG GGT ACC TGG CCC CAC AGA TGA TCG CTG CCC TGC CAA ACC TGA GGA AGA AGG 171
V W V P G P T D D R C P A K P E E E G 38

GAT GAT GAT AAA TAT TTC CAT TGG GTA TCA TTA TCC TCC TAT TTG CCT AGG GAG AGC 228
M M I **N I S I** G Y H Y P P I C L G R A 57

ACC AGG ATG TTT AAT GCC TGC AGT CCA AAA TTG GTT GGT AGA AGT ACC TAC TGT CAG 285
P G C L M P A V Q N W L V E V P T V S 76

TCC TAA CAG TAG ATT CAC TTA TCA CAT GGT AAG CGG GAT GTC ACT CAG GCC ACG GGT 342
P N S R F T Y H M V S G M S L R P R V 95

AAA TTA TTT ACA AGA CTT TTC TTA TCA AAG ATC ATT AAA ATT TAG ACC TAA AGG GAA 399
N Y L Q D F S Y Q R S L K F R P K G K 114

AAC TTG CCC CAA GGA AAT TCC TAA AGG ATC AAA GAA TAC AGA AGT TTT AGT TTG GGA 456
T C P K E I P K G S K N T E V L V W E 133

AGA ATG TGT GGC CAA TAG TGT GGT GAT ATT ACA AAA CAA TGA ATT CGG AAC TAT TAT 513
E C V A N S V V I L Q N N E F G T I I 152

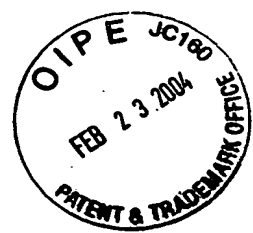
AGA TTA G 520
D * 153

Fig. 7D

k1,2-22-env/fs

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ACACCAGTCACATGGATGGATAATCCTATAGAAGTATATGTTAATGATAGTGTATGGGTACCTG
GCCCCACAGATGATCGCTGCCCTGCCAAACCTGAGGAAGAAGGGATGATGATAAATATTTCCAT
TGGGTATCATTATCCTCCTATTTGCCTAGGGAGAGCACCAGGATGTTTAATGCCTGCAGTCCAA
AATTGGTTGGTAGAAGTACCTACTGTCAGTCCTAACAGTAGATTCACTTATCACATGGTAAGCG
GGATGTCACTCAGGCCACGGGTAAATTATTTACAAGACTTTTCTTATCAAAGATCATTAATAATT
TAGACCTAAAGGGAAAACCTTGCCCCAAGGAAATTCCTAAAGGATCAAAGAATACAGAAGTTTAA
GTTTGGGAAGAATGTGTGGCCAATAGTGTGGTGATATTACAAAACAATGAATTCGGAACCTATTA
TAGATTAGGCACCTCGAGGTCAATTCTACCACAATTGCTCAGGACAAACTCAGTCGTGTCCAAG
TGCACAAGTGAGTCCAGCTGTTCGATAG

Fig. 7E



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iddmk1,2 22-ENV

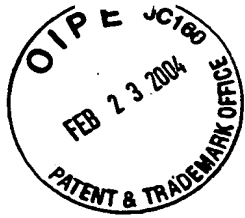
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PGCLMPAVQNLVEVPTVSPNSRFTYH MVSGMSLRPRVNYLQDFS YQ RSLKFRPKG
KTC PKEIPKGSKNTEVLVWEECVANSV VILQNN EFGTIIDZAPRGQFYHNCSGQTQSC
PSAQVSPA VSDSLTESLDKHKHKKLQSFYLWEEWEEKGISTPRPKIISPVS GPEHPEL
WRLTVASHHIRIWSGNQTL ETRYRKPFYTI DLNSILTVPLQ SCLKPPYMLVVGNI VIKP
ASQTITCENCRLFTCIDSTFNWQH RILLVRAREGMWIPVSTDRPWEASPSIHILTEILK
GVLNRSKRFIFTLIAVIMGLIAVTATAAVAGVALHSSVQSVNFVNYWQKNSTR LWS
QSSIDQKLASQINDLRQTVIWMGDRLDLEHHFQLQCDWNTSDFCITPQIYNESEHH
WDMVRRHLQGREDNLTLDISKLEQIFEASKAHLNLVPGTEA IAGVADGLANLNPVT
WIKTIRSTMIINLILIVVCLFCLLLVCRCTPTAPKKTVTSRTGHE

Fig. 7F

ACATTTGAAGTTCTACAATGAACCCATCAGAGATGCAAAGAAAAGCGCCTCCACGGAGATGGT 63
2
M V
AACACCAGTCACATGGATGGATAATCCTATAGAAGTATATGTTAATGATAGTGTATGGGTACC 126
23
T P V T W M D N P I E V Y V N D S V W V P
TGGCCCCACAGATGATCGCTGCCCTGCCAAACCTGAGGAAGAAGGGATGATGATAAATATTTT 189
44
G P T D D R C P A K P E E E G M M I N I S
CATTGGGTATCATTATCCTCCTATTTGCCTAGGGAGAGCACCAGGATGTTTAATGCCTGCAGT 252
65
I G Y H Y P P I C L G R A P G C L M P A V
CCAAAATTGGTTGGTAGAAGTACCTACTGTCAGTCCTAACAGTAGATTCACTTATCACATGGT 315
86
Q N W L V E V P T V S P N S R F T Y H M V
AAGCGGGATGTCACCTCAGGCCACGGGTAAATTATTTACAAGACTTTTCTTATCAAAGATCATT 378
107
S G M S L R P R V N Y L Q D F S Y Q R S L
AAAATTTAGACCTAAAGGGAAAACCTTGCCCCAAGGAAATTCCTAAAGGATCAAAGAATACAGA 431
128
K F R P K G K T C P K E I P K G S K N T E
AGTTTTAGTTTGGGAAGAATGTGTGGCCAATAGTGTGGTGATATTACAAAACAATGAATTCGG 504
149
V L V W E E C V A N S V V I L Q N N E F G
AACTATTATAGATTTAGGCACCTCGAGGTCAATTCTACCACAATTGCTCAGGACAAACTCAGT 567
170
T I I D L G T S R S I L P Q L L R T N S V
CGTGTCCAAGTGCACAAGTGAGTCCAGCTGTTCGATAG 601
181
V S K C T S E S S C R *

Fig. 7G

FIGS. 7F-7G



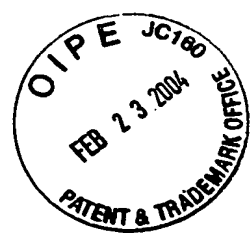
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iddmk1,2 22-POL

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Fig. 7H



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k1,2-1

gtaaatgacacctatgatgcactgccaccctttcactgtttcaccctgaacatctgctttttac
atctaagtgattgtacccaataaatagtgtggagaccagagctctgagccttttgagcctcca
ttttgcaactgggtcccctgggtcccaccctttatgaactcttaacctgtcttttctcattccttt
gtcaccattggactttgggtaccctacgggtgggtgttgaggctgtcaccgcacattaa

Fig. 8A

k1,2-10

gtttagttaatctataatctatagagacaatgcttatcactggcttgctgtcaataaataatgtg
ggtaaactctctgtttcaagactctcagctttgaagctgtgagacccttgatttcccactccacac
ctctatatatttctgtgtgtgtgtctttaattcctccagtggttgctgggttagggctctcctcgacg
agctgtcgtgc

Fig. 8B

k1,2-16

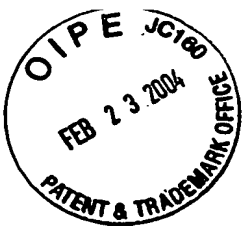
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actctggccttgagagagtcctgttcccacttcacttttcccttttccaccaataaaaacctg
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atctttagctgagctagggaaaagtcctgca

Fig. 8C

k1,2-17

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gtaccaataaataacagcacagcctgacattcggagccattaccggtctttgtgacttggtgg
tagtggtatcccctagggccagctgtcttttcttttatctctttgtcttgtgtctttatttc
tatgagtctctcgtctccgcacatggggagaaaaacccatagaccctgtagggtg

Fig. 8D



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k1,2-26

ctcacaaaaataataaaagcttctgttgccattcttcagatcttcatctcttgaggatcc
ccctgtacatgtaaaaatgtaataaaacttgatcctttctcctcttaatctgtcttgcatca
atatcattcctagaccagtcagagatgggtggaggtgagccgtacatttccta

Fig. 8E

k1,2-27

cagagaactccagccagctgtgatggagcctcaggaagttcacagttgcagcaggaaggagcctggc
tgctcctcttctgtgtggaacctgggattagaacaggctggcaggaagtgttttagcagggactct
ggcctactcacactccttgtttccccctttcttcttttctactcaataaagccctgtcttactcac
cattcaaattgtctgtgagcctgaattttcatggctgtgggacaaagaaccctatttttagctgaac
taaggaaaattcctgcaaa

Fig. 8F

k1,2-4

gtgattgtctgctgaccctctccccacaattgtcttgtgaccctgacacatccccctcttcga
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gctgaacgctgggtgccccgggtcccccttctttctttctctatactttgtctctgtgtctttt
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cgccacataaca

Fig. 8G

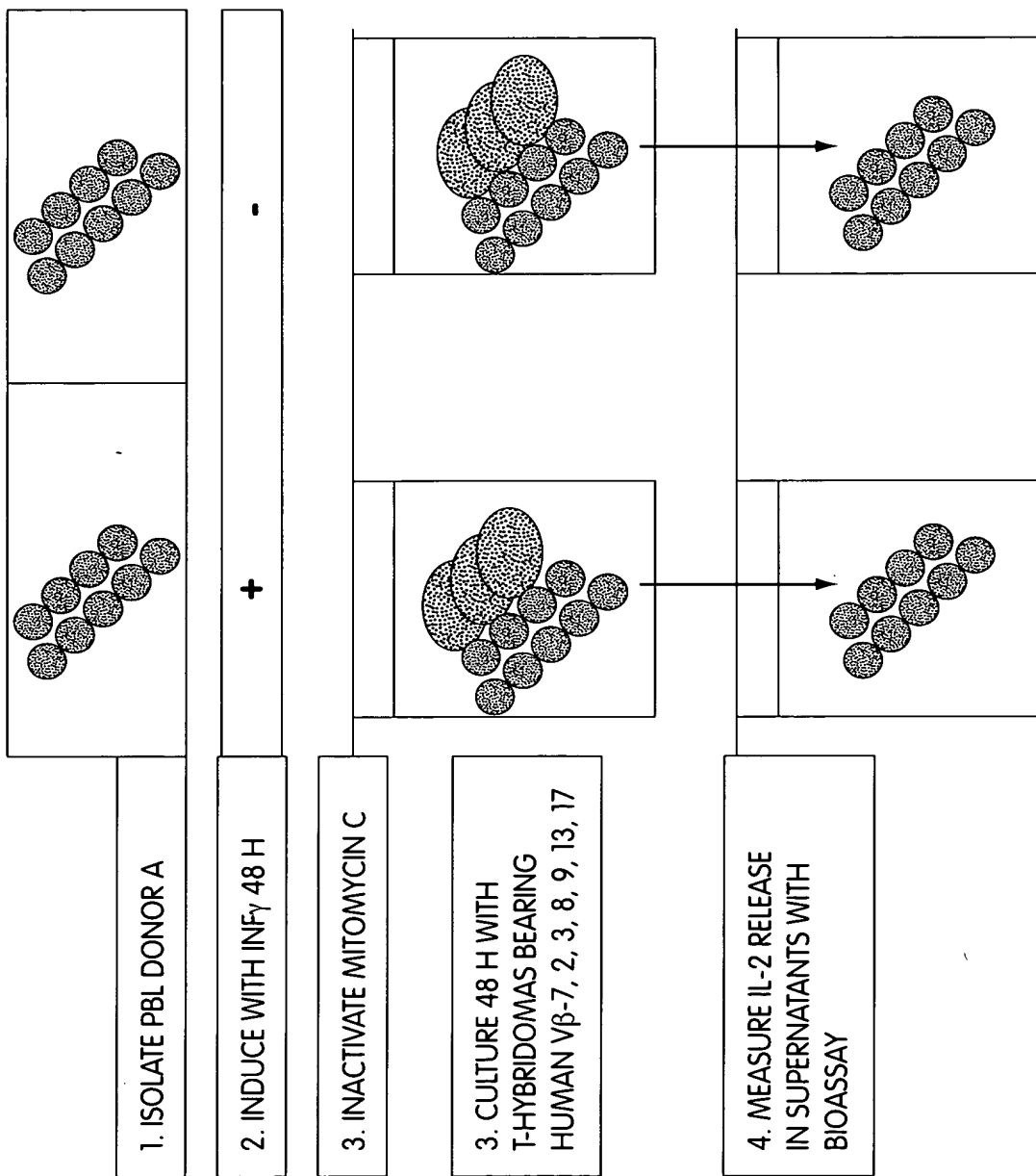


Fig. 9